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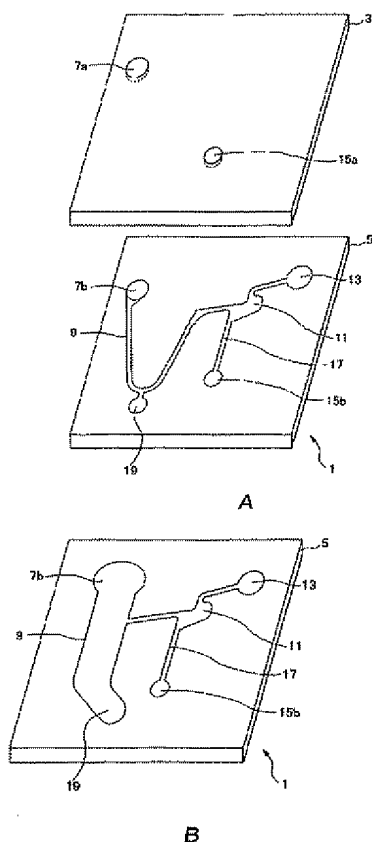
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- (51) 国際特許分類: G01N 1/10, 33/48, 1/00 (72) 発明者; および
(21) 国際出願番号: PCT/JP2004/014988 (75) 発明者/出願人 (米国についてのみ): 堀池 靖浩 (HORI-IKE, Yasuhiro) [JP/JP]; 〒2020021 東京都西東京市東伏見 3 丁目 2 番地 1 2 号 Tokyo (JP). 横川 昭徳 (YOKO-GAWA, Akinori) [JP/JP]; 〒6158585 京都府京都市右京区西院溝崎町 2 1 ローム株式会社内 Kyoto (JP).
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(26) 国際公開の言語: 日本語 (74) 代理人: 小野 由己男, 外 (ONO, Yukio et al.); 〒5300054 大阪府大阪市北区南森町 1 丁目 4 番 1 9 号 サウスホレストビル 新樹グローバル・アイビー特許業務法人 Osaka (JP).
(30) 優先権データ: 特願2003-346439 2003 年 10 月 3 日 (03.10.2003) JP
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(54) Title: CHIP USING METHOD AND TEST CHIP

(54) 発明の名称: チップの使用方法及び検査チップ



(57) Abstract: An object of this invention is to provide a test chip which allows efficient and convenient separation and weighing. This invention provides a weighing chip for separating and weighing a subject component of a sample by its rotation around first and second rotary shafts. The weighing chip comprises a centrifugal separation tube for centrifugally separating the subject component from the sample by rotating the weighing chip around the axis of the first rotary shaft, a first holding section installed in the bottom of the centrifugal separation tube wherein components (herein after referred to as non-subject components) other than the subject component in the sample are introduced therein by rotation around the axis of the first rotary shaft, and the first holding section holds the non-subject components in the rotation around the axis of the second rotary shaft, and a weighing section connected to one end of the centrifugal separation tube for weighing the non-subject components introduced from the centrifugal separation tube by rotation around the axis of the second rotary shaft.

(57) 要約: 本発明は、分離及び秤量を効率的かつ簡便に行うことができる検査チップを提供することを目的とする。第 1 及び第 2 回転軸を中心とする回転により試料中の対象成分を分離・秤量する秤量チップであって、前記秤量チップを前記第 1 回転軸を中心として回転させることにより、前記試料から前記対象成分を遠心分離する遠心分離管と、前記遠心分離管の底部に設けられており、前記第 1 回転軸を中心とした回転により前記試料中の前記対象成分以外の成分 (以下、非対象成分という) が導入され、前記第 2 回転軸を中心とした回転において前記非対象物質を保持する第 1 保持部と、前記遠心分離管の一方の端部に接続され、前記第 2 回転軸を中心とした回転により前記遠心分離管から導入される前記対象成分を秤量する秤量部とを含む秤量チップを提供する。



NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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添付公開書類:
— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014988

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01N1/10, G01N33/48, G01N1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004

Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X/A	JP 62-151756 A (Jean Guigan), 06 July, 1987 (06.07.87), Page 4, lower left column, line 10 to page 5, lower right column, line 7; Figs. 1 to 10 & US 4788154 A & EP 230418 A	27/1-26, 28
A	JP 64-025058 A (Miles Inc.), 27 January, 1989 (27.01.89), & US 4892708 A & EP 297394 A	1-28
A	JP 2003-083958 A (Jun KIKUCHI), 19 March, 2003 (19.03.03), (Family: none)	1-28



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search
01 November, 2004 (01.11.04)Date of mailing of the international search report
22 November, 2004 (22.11.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014988

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	JP 2004-109082 A (Japan Science and Technology Corp.), 08 April, 2004 (08.04.04), & WO 2004/027391 A	1-28
P,A	JP 2004-109099 A (Jun KIKUCHI), 08 April, 2004 (08.04.04), (Family: none)	1-28